

WHAT IS CLAIMED IS:

1. A data processing system, comprising:

a plurality of web server processing cards, coupled with a midplane;

5 a first network interface card coupled with each of the plurality of web server processing cards and the midplane;

each of the plurality of web server processing cards coupled with a public network communication router over a first communication path, the public network communication router coupled to a public network and operable to route data packets to and from the web server processing cards;

15 each of the plurality of web server processing cards coupled with a private network communication router over a second communication path, the private network communication router coupled with at least one private processing system and operable to provide processing services upon receipt of a processing request from one of the plurality of web server processing cards; and

20 each of the plurality of web server cards coupled with a management system operable to monitor and manage the plurality of web server processing cards.

25 2. The data processing system of Claim 1, wherein the management system communicates with the web server processing cards over the second communication path.

3. The data processing system of Claim 1, further comprising:

a third communication path coupling the management system and the plurality of web server processing cards; and

wherein the management system communicates with the web server processing cards over the third communication path.

4. The data processing system of Claim 1, wherein the first network interface card is disposed along the first communication path and operable to route the data packets between the web server processing cards and the public network communication router.

5. The data processing system of Claim 1, further comprising:

a second network interface card disposed along the second communication path; and

wherein the second network interface card is operable to route the processing request between one of the plurality of web server processing cards and the private network router.

6. The data processing system of Claim 3, further comprising:

a third network interface card disposed along the third communication path; and

wherein the third network interface card is operable to route data communications between the web server processing cards and the management system.

7. The data processing system of Claim 4, further comprising:

5 a second network interface card disposed along the second communication path and operable to route the processing requests between one of the plurality of web server processing cards and the private network router; and

10 the midplane having a plurality of first connectors operable to couple the web server processing cards with the midplane, and a plurality of second connectors operable to couple the first and second network interface cards with the midplane.

15 8. The data processing system of Claim 7, further comprising:

a third network interface card coupled with one of the plurality of second connectors of the midplane; and

20 the third network interface card disposed along the third communication path and operable to route communications between the web server processing cards and the management system.

9. The data processing system of Claim 1, further comprising:

25 at least a first power supply coupled with the midplane; and

30 the first power supply operable to provide power to components of the web server processing cards and components of the first and second network interface cards.

10. The data processing system of Claim 9, further comprising:

5 a second power supply coupled with the midplane; and
the second power supply operable to provide power to
components of the web server processing cards and
components of the first and second network interface
cards.

10 11. The data processing system of Claim 10, wherein
the first and second power supplies are hot-swappable.

12. The data processing system of Claim 10, wherein
the first and second power supplies are load balanced.

15 13. The data processing system of Claim 1, further
comprising:

a third communication path operable to couple the
public network router and the public network; and

20 wherein the third communication path includes a high
bandwidth transport.

25 14. The data processing system of Claim 1, further
comprising a high density connector coupled with the
public network router and the first communication path.

15. The data processing system of Claim 14, wherein
the high density connector includes an RJ-21 connector.

30 16. The data processing system of Claim 1, wherein
the first communication path includes fiber optic cables
operable to provide gigabit ethernet (GE).

17. The data processing system of Claim 1, wherein the first communication path includes copper wire operable to provide gigabit ethernet (GE).

5 18. The data processing system of Claim 1, wherein the second communication path includes fiber optic cables operable to provide gigabit ethernet (GE).

10 19. The data processing system of Claim 1, wherein the second communication path includes copper wire operable to provide gigabit ethernet (GE).

15 20. The data processing system of Claim 3, wherein the third communication path includes fiber optic cables operable to provide gigabit ethernet (GE).

20 21. The data processing system of Claim 3, wherein the third communication path includes copper wire operable to provide gigabit ethernet (GE).

22. The data processing system of Claim 1, further comprising:

a private network coupled with the private network router over a third communication path; and

25 the private network including at least one back office network application.

30 23. The data processing system of Claim 22, wherein the third communication path supports private 10/100/1000 megabits per second ethernet.

24. The data processing system of Claim 1, wherein the management system is operable to monitor, back-up, restore and activate at least one of the plurality of web server processing cards from a location remote to the web server processing cards.

25. The data processing system of Claim 1, wherein the management system is operable to perform metering of at least one of the web server processing cards.

26. The data processing system of Claim 25, wherein the metering performed by the management system is selected from the group consisting of packet level metering and bandwidth metering.

27. The data processing system of Claim 1, wherein the management system further comprises a non-volatile storage device operable to provide network attached storage support for at least one of the plurality of web server processing cards.

28. The data processing system of Claim 27, wherein the non-volatile storage device is selected from the group consisting of redundant array of inexpensive disks (RAIDs), optical storage subsystems, and tape storage subsystems.

29. The data processing system of Claim 1, wherein the management system may be accessed remotely by a remote electronic device.

a plurality of web server processing cards, coupled with a midplane;

wherein each of the plurality of web server processing cards are coupled with a public network communication router over a first communication path, the public network communication router coupled to a public network and operable to route data packets to and from the web server processing cards.

32. The data processing system of Claim 31, wherein each of the plurality of web server processing cards are coupled with a private network communication router over a second communication path, the private network communication router coupled with at least one private processing system and operable to provide processing services upon receipt of a processing request from one of the plurality of web server processing cards.

33. The data processing system of Claim 31, wherein each of the plurality of web server processing cards are coupled with a management system operable to monitor and manage the web server processing cards.

34. The data processing system of Claim 32, wherein each of the plurality of web server processing cards are coupled with a management system operable to monitor and manage the web server processing cards.

a second network interface card disposed along the second communication path; and

10 36. The data processing system of Claim 31, further
comprising:

wherein the third communication path couples the web
15 server processing cards and the management system, and
the second network interface card is operable to route
data communications between the web server processing
cards and the management system.

a third network interface card coupled with the midplane; and

the third network interface card disposed along a
25 third communication path and operable to route data
communications between the web server processing cards
and the management system.

a first power supply coupled with the midplane; and
5 the first power supply operable to provide power to
components of the web server processing cards and
components of the first network interface card.

a second power supply coupled with the midplane; and the second power supply operable to provide power to components of the web server processing cards and the first network interface card.

41. The data processing system of Claim 31, wherein at least one of the plurality of web server processing cards is hot swappable.

42. The data processing system of Claim 39, wherein the first and second power supplies are load balanced.